

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080216\  
 Data File : BF089554.D  
 Acq On : 2 Aug 2016 18:41  
 Operator : UM/SJ  
 Sample : H4269-11  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-54-16.0-17.0

Quant Time: Aug 03 01:07:17 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 28 16:02:32 2016  
 Response via : Initial Calibration

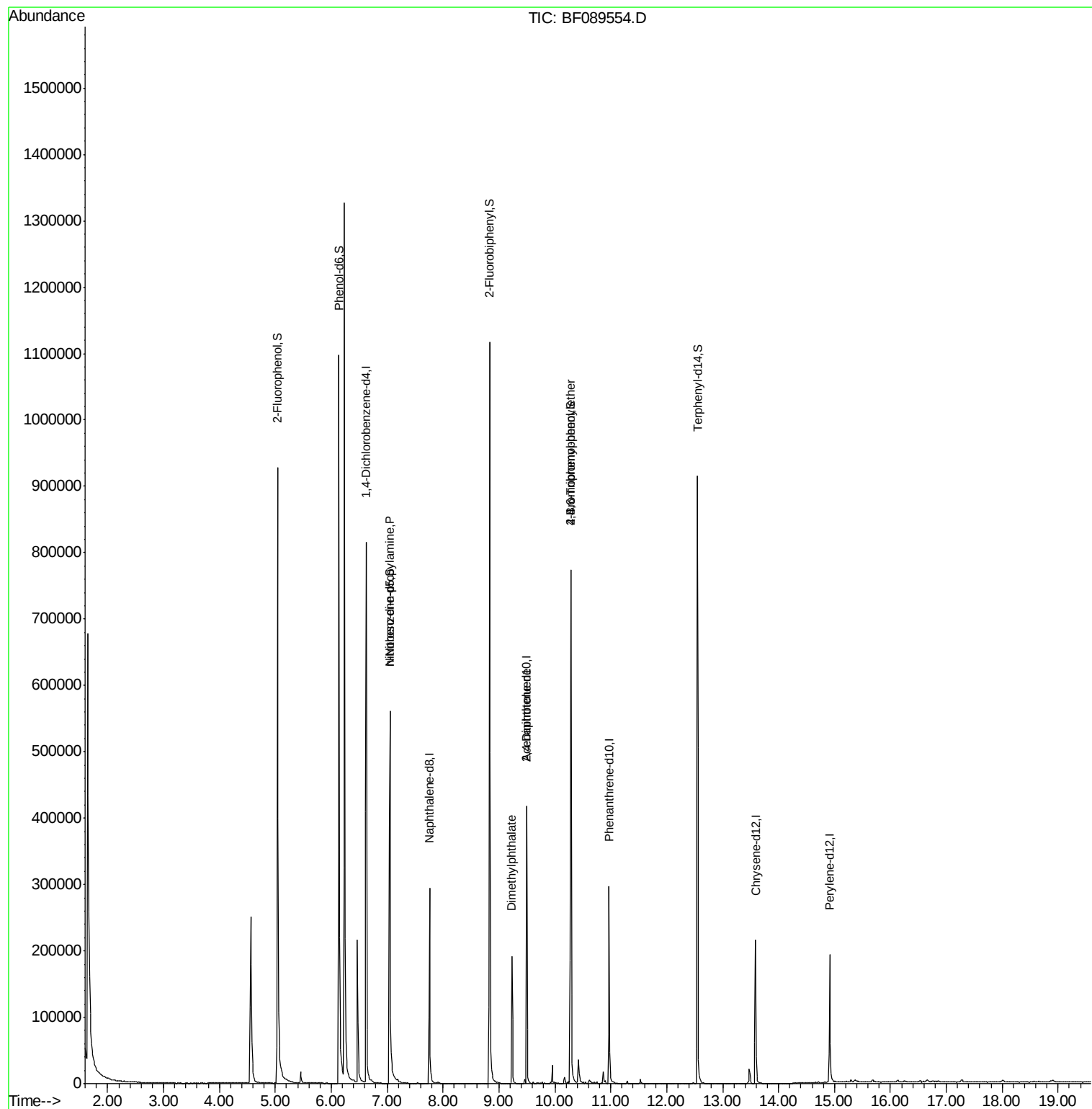
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.63  | 152  | 158961   | 20.00     | ng    | 0.08     |
| 21) Naphthalene-d8             | 7.76  | 136  | 176278   | 20.00     | ng    | -0.07    |
| 38) Acenaphthene-d10           | 9.50  | 164  | 81404    | 20.00     | ng    | -0.08    |
| 63) Phenanthrene-d10           | 10.97 | 188  | 134673   | 20.00     | ng    | -0.08    |
| 75) Chrysene-d12               | 13.59 | 240  | 87994    | 20.00     | ng    | -0.08    |
| 86) Perylene-d12               | 14.91 | 264  | 82509    | 20.00     | ng    | -0.09    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.04  | 112  | 350725   | 35.23     | ng    | -0.07    |
| 7) Phenol-d6                   | 6.14  | 99   | 489050   | 37.17     | ng    | -0.07    |
| 23) Nitrobenzene-d5            | 7.05  | 82   | 306194   | 102.53    | ng    | -0.07    |
| 41) 2,4,6-Tribromophenol       | 10.28 | 330  | 80761    | 119.79    | ng    | -0.08    |
| 44) 2-Fluorobiphenyl           | 8.83  | 172  | 442170   | 79.72     | ng    | -0.08    |
| 78) Terphenyl-d14              | 12.55 | 244  | 351080   | 93.38     | ng    | -0.08    |
| Target Compounds               |       |      |          |           |       |          |
| 2) 1,4-Dioxane                 | 1.95  | 88   | 222      | Below Cal | #     | 26       |
| 19) n-Nitroso-di-n-propylamine | 7.05  | 70   | 40575    | 5.11 ng   | #     | 78       |
| 49) Dimethylphthalate          | 9.23  | 163  | 96685    | 15.61 ng  | #     | 98       |
| 56) 2,4-Dinitrotoluene         | 9.50  | 165  | 9999     | 5.97 ng   | #     | 7        |
| 66) 4-Bromophenyl-phenylether  | 10.28 | 248  | 6301     | 4.90 ng   | #     | 1        |

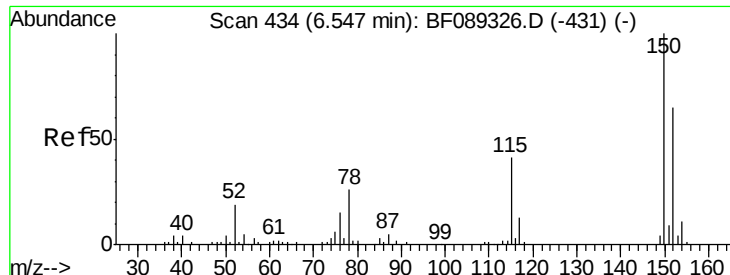
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 28 16:02:32 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. 0.08 min

Lab File: BF089554.D

Acq: 2 Aug 2016 18:41

Instrument :

BNA\_F

ClientSampleId :

SB-54-16.0-17.0

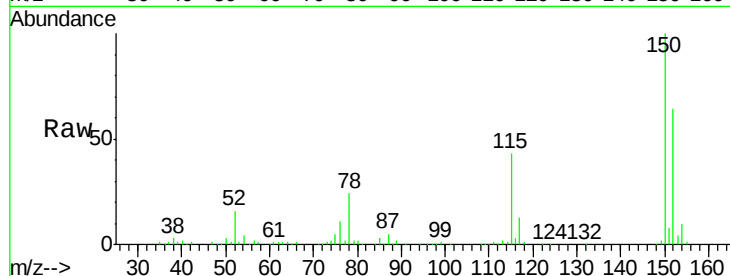
Tgt Ion:152 Resp: 158961

Ion Ratio Lower Upper

152 100

150 155.3 129.5 194.3

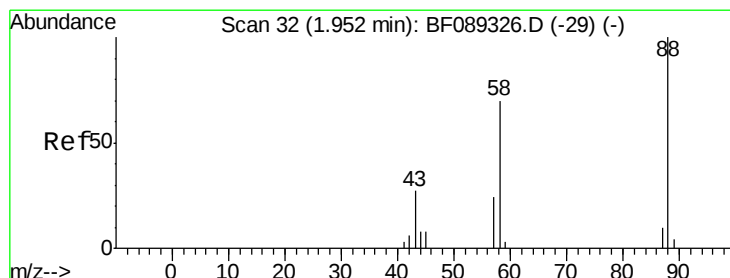
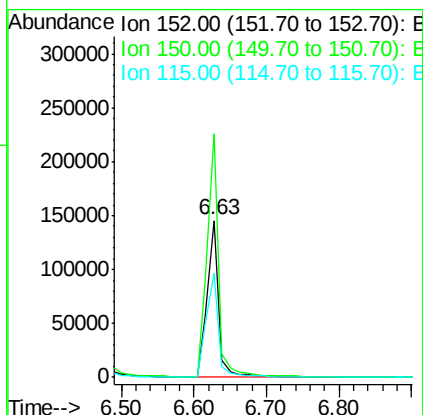
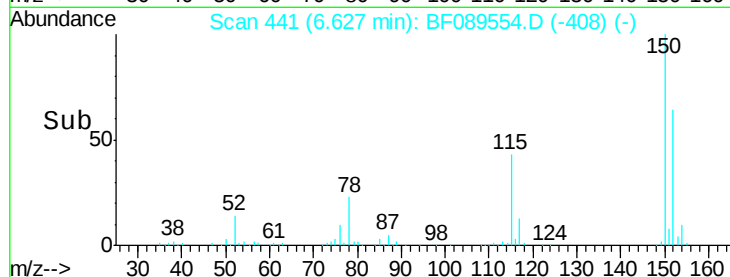
115 66.5 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: Below Cal

RT: 1.95 min Scan# 32

Delta R.T. 0.00 min

Lab File: BF089554.D

Acq: 2 Aug 2016 18:41

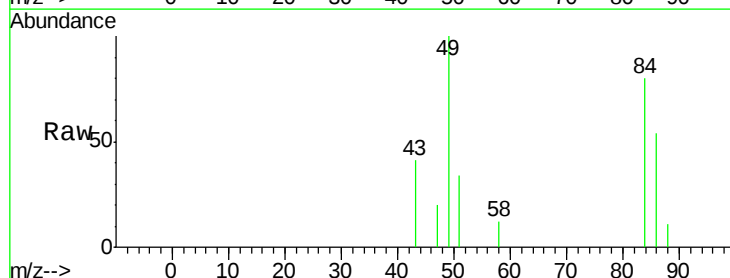
Tgt Ion: 88 Resp: 222

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

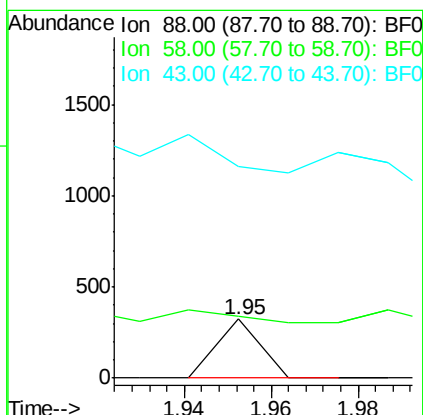
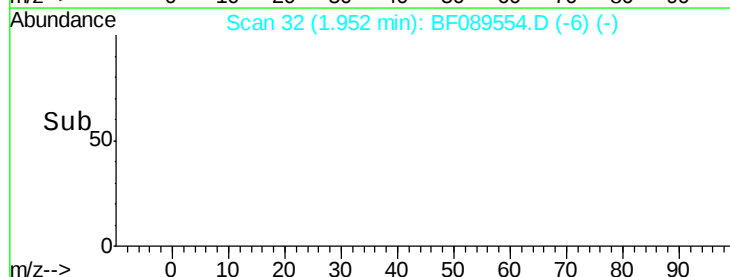
43 0.0 20.6 31.0#

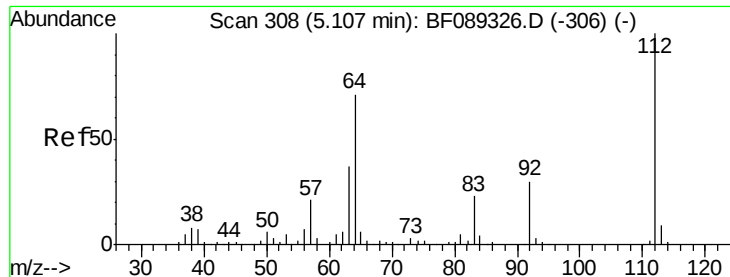


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 35.23 ng

RT: 5.04 min Scan# 302

Delta R.T. -0.07 min

Lab File: BF089554.D

Acq: 2 Aug 2016 18:41

Instrument :

BNA\_F

ClientSampleId :

SB-54-16.0-17.0

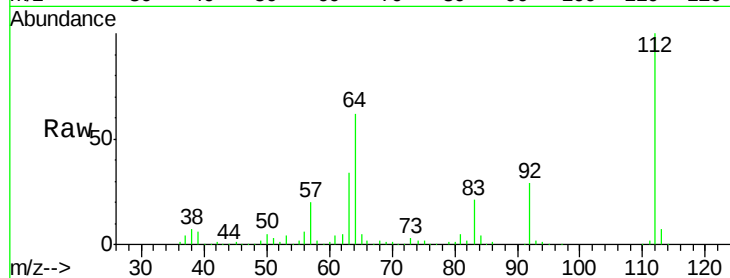
Tgt Ion: 112 Resp: 350725

Ion Ratio Lower Upper

112 100

64 62.4 55.0 82.6

63 33.7 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

300000

200000

100000

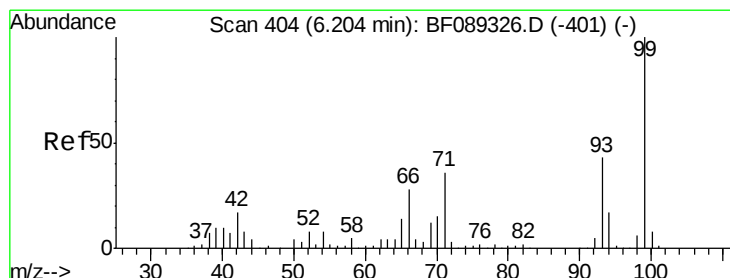
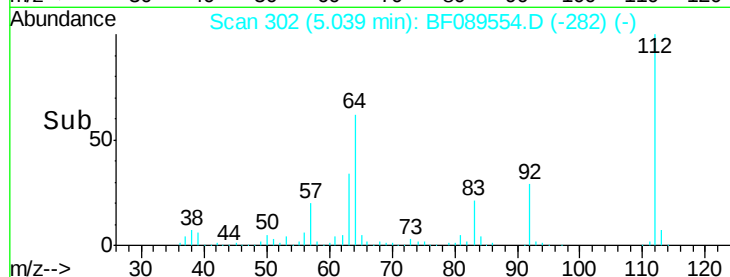
0

5.04

5.20

5.40

Time-->



#7

Phenol-d6

Concen: 37.17 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.07 min

Lab File: BF089554.D

Acq: 2 Aug 2016 18:41

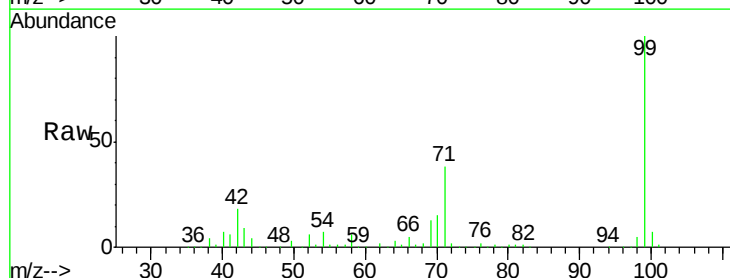
Tgt Ion: 99 Resp: 489050

Ion Ratio Lower Upper

99 100

42 18.2 13.6 20.4

71 37.9 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

500000

400000

300000

200000

100000

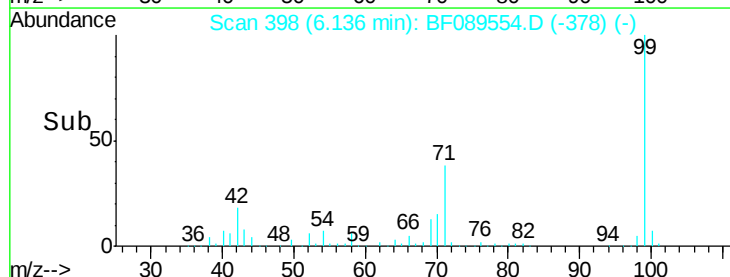
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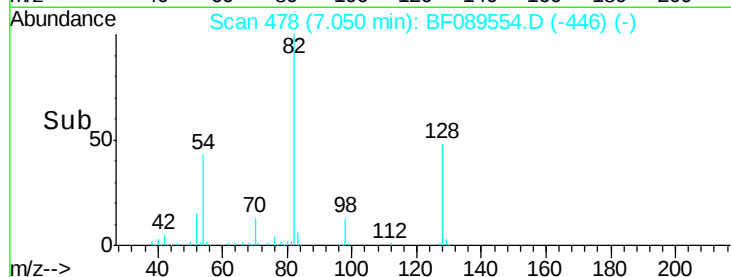
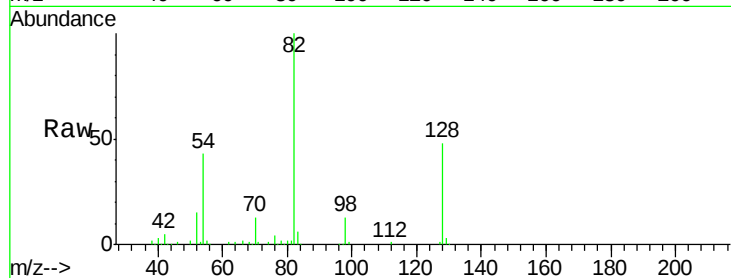
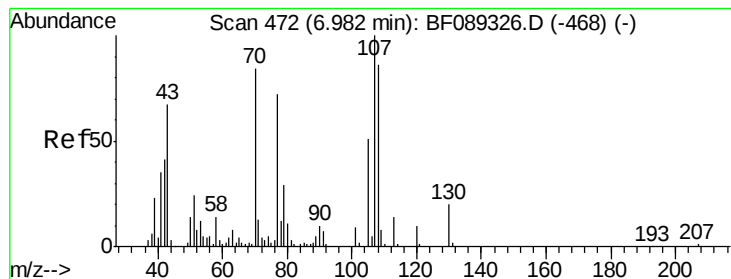
6.14

6.20

6.40

Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 5.11 ng

RT: 7.05 min Scan# 478

Delta R.T. 0.07 min

Lab File: BF089554.D

Acq: 2 Aug 2016 18:41

Instrument :

BNA\_F

ClientSampleId :

SB-54-16.0-17.0

Tgt Ion: 70 Resp: 40575

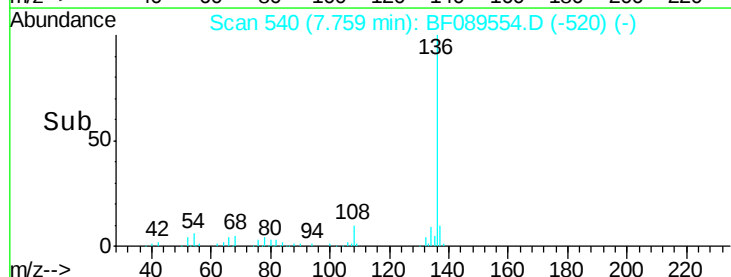
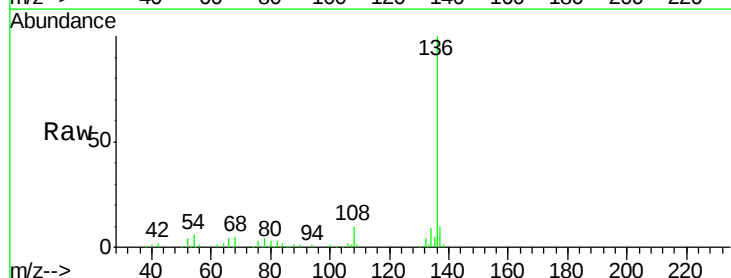
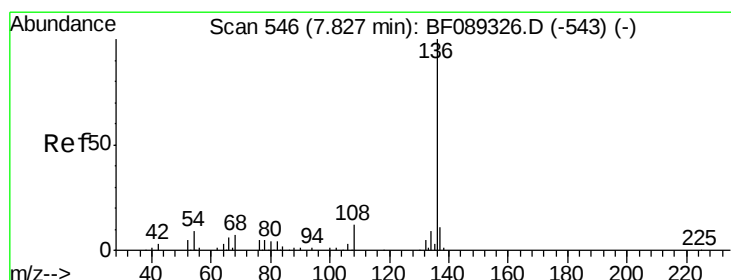
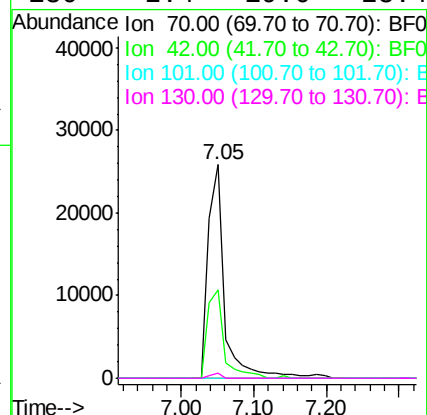
Ion Ratio Lower Upper

70 100

42 41.2 38.6 57.8

101 0.0 8.3 12.5#

130 2.4 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.76 min Scan# 540

Delta R.T. -0.07 min

Lab File: BF089554.D

Acq: 2 Aug 2016 18:41

Tgt Ion: 136 Resp: 176278

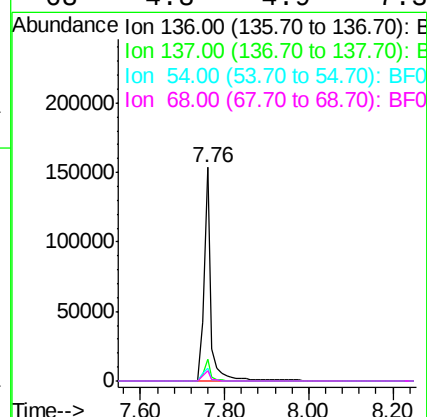
Ion Ratio Lower Upper

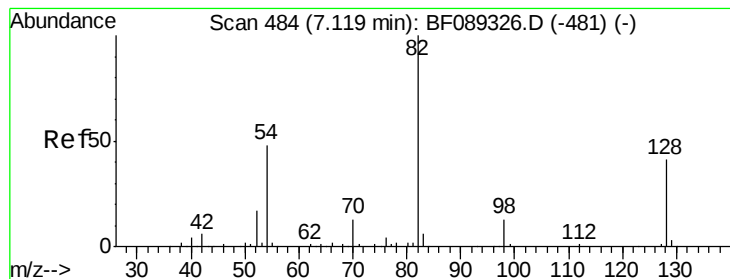
136 100

137 10.4 8.6 13.0

54 6.1 7.0 10.4#

68 4.8 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 102.53 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.07 min

Lab File: BF089554.D

Acq: 2 Aug 2016 18:41

Instrument :

BNA\_F

ClientSampleId :

SB-54-16.0-17.0

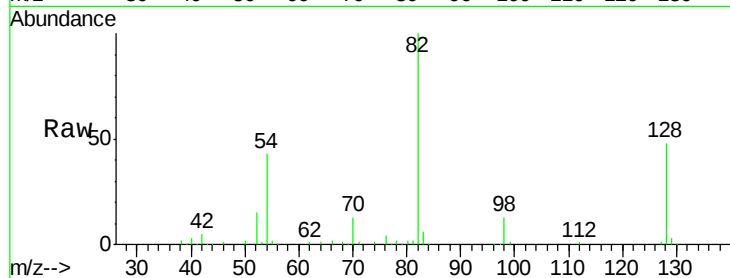
Tgt Ion: 82 Resp: 306194

Ion Ratio Lower Upper

82 100

128 48.4 32.5 48.7

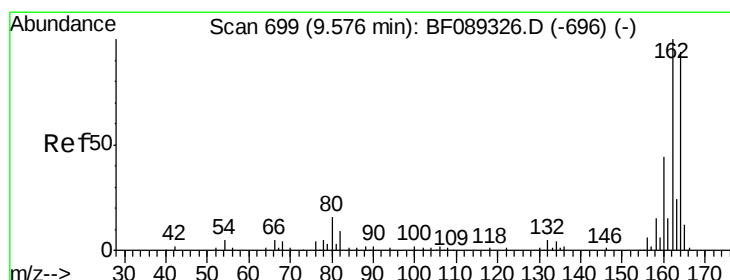
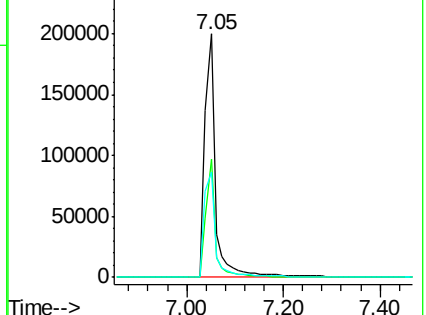
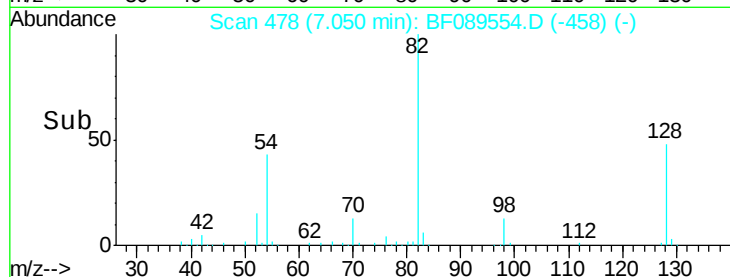
54 43.1 38.8 58.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.08 min

Lab File: BF089554.D

Acq: 2 Aug 2016 18:41

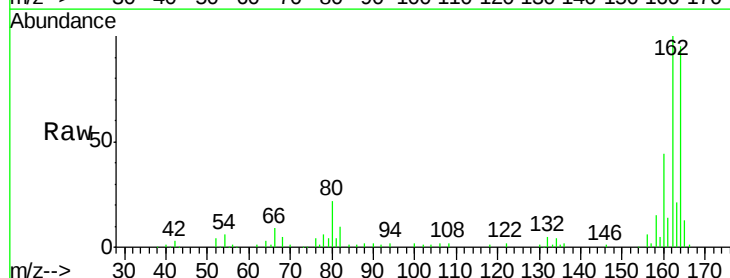
Tgt Ion: 164 Resp: 81404

Ion Ratio Lower Upper

164 100

162 105.3 83.7 125.5

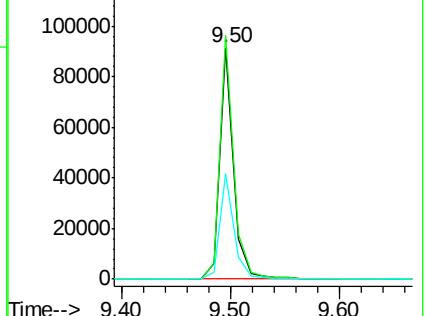
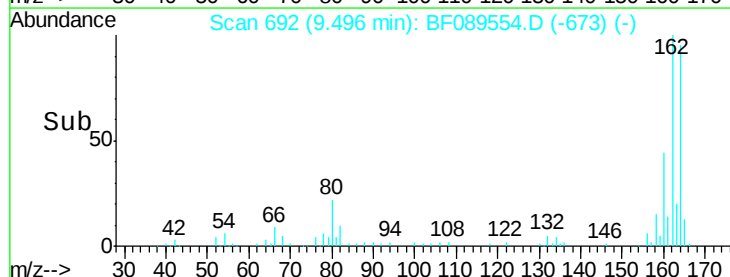
160 45.8 37.8 56.6

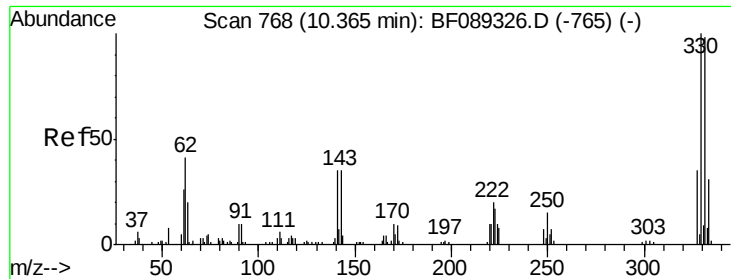


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

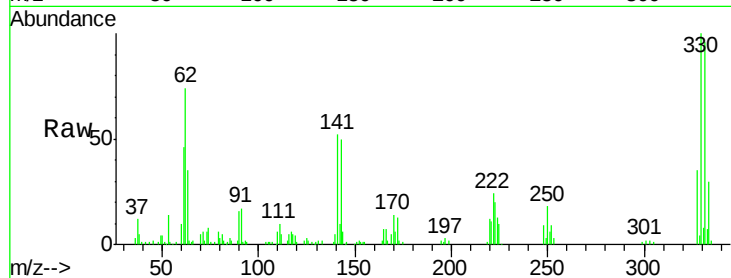




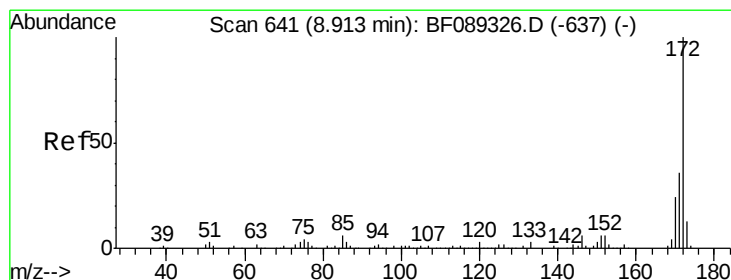
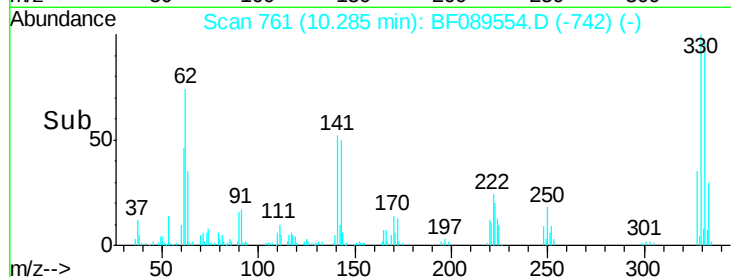
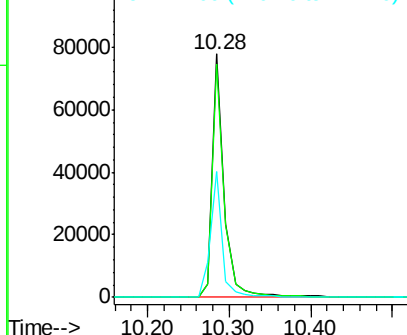
#41  
 2,4,6-Tribromophenol  
 Concen: 119.79 ng  
 RT: 10.28 min Scan# 761  
 Delta R.T. -0.08 min  
 Lab File: BF089554.D  
 Acq: 2 Aug 2016 18:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-54-16.0-17.0

Tgt Ion:330 Resp: 80761  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 76.8 115.2  
 141 51.4 37.3 55.9

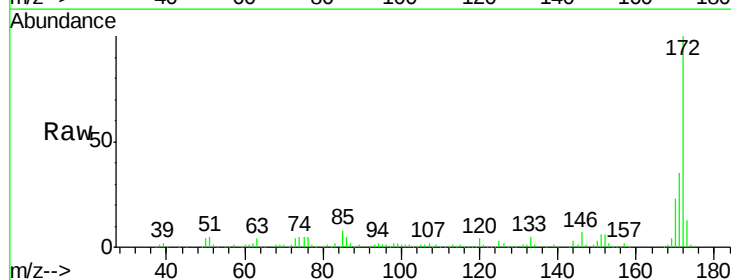


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

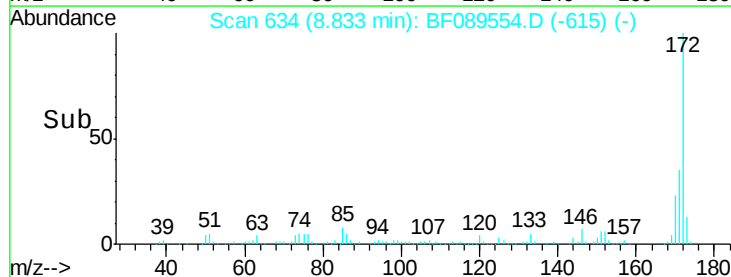
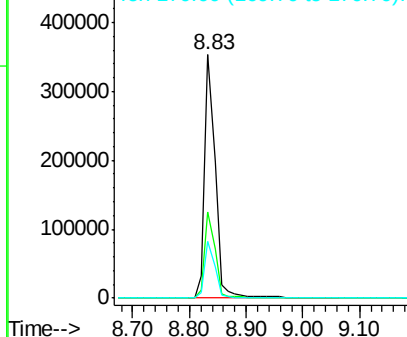


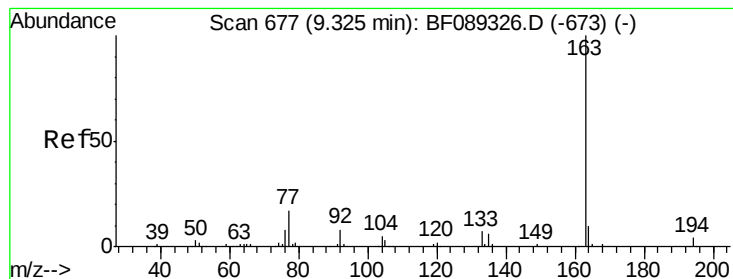
#44  
 2-Fluorobiphenyl  
 Concen: 79.72 ng  
 RT: 8.83 min Scan# 634  
 Delta R.T. -0.08 min  
 Lab File: BF089554.D  
 Acq: 2 Aug 2016 18:41

Tgt Ion:172 Resp: 442170  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.2 43.8  
 170 23.1 19.2 28.8



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 15.61 ng

RT: 9.23 min Scan# 669

Delta R.T. -0.09 min

Lab File: BF089554.D

Acq: 2 Aug 2016 18:41

Instrument :

BNA\_F

ClientSampleId :

SB-54-16.0-17.0

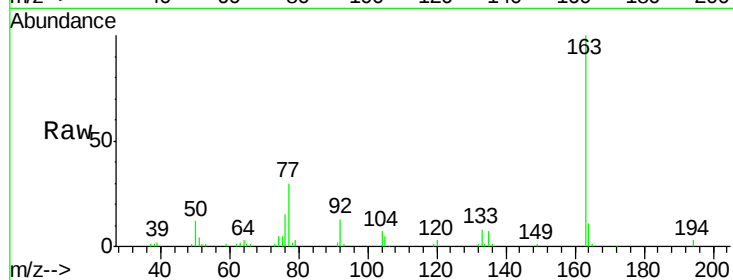
Tgt Ion:163 Resp: 96685

Ion Ratio Lower Upper

163 100

194 2.7 2.8 4.2#

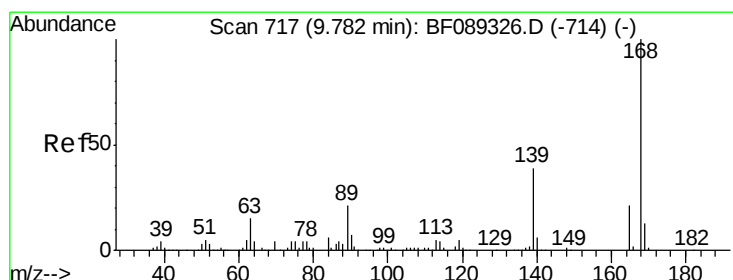
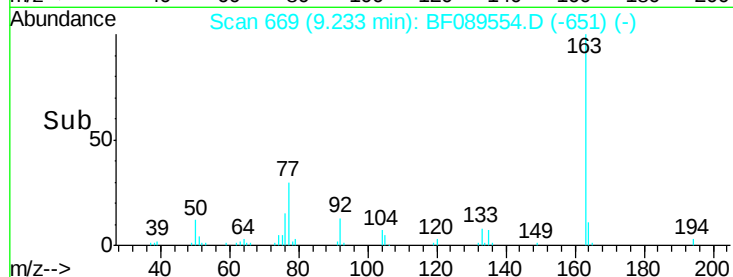
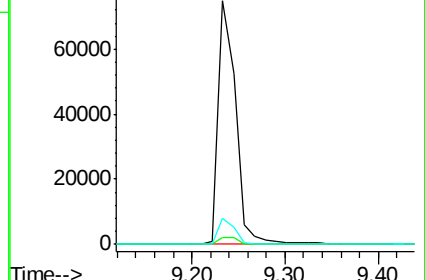
164 10.6 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.97 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.29 min

Lab File: BF089554.D

Acq: 2 Aug 2016 18:41

Tgt Ion:165 Resp: 9999

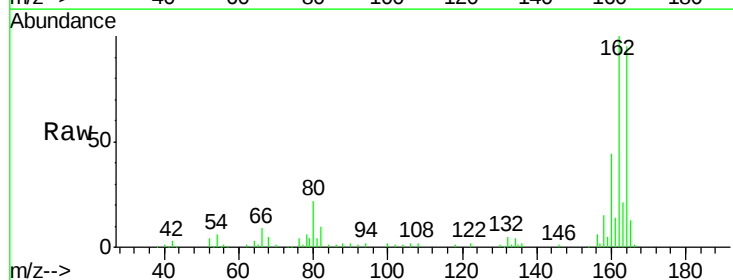
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.2#

89 0.0 79.1 118.7#

182 0.0 1.8 2.8#

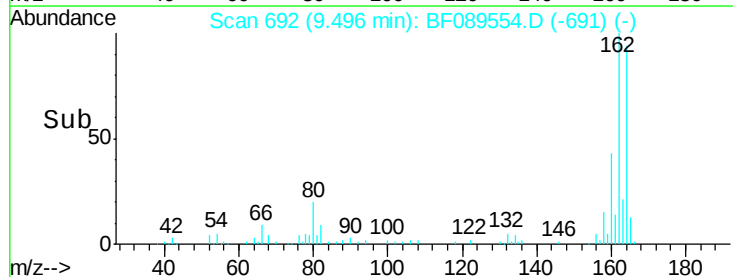
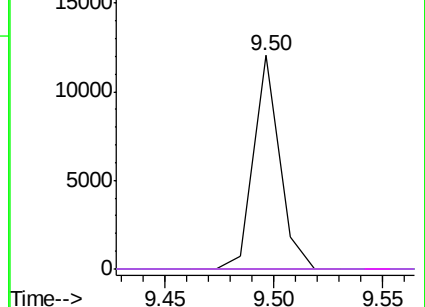


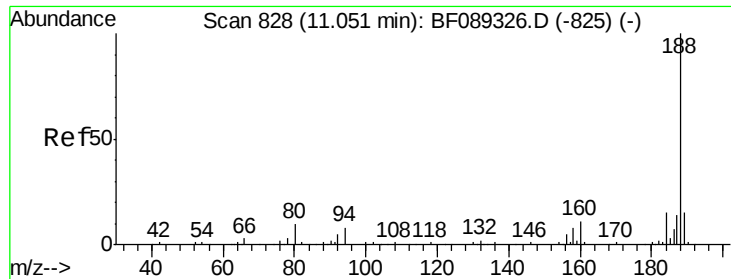
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

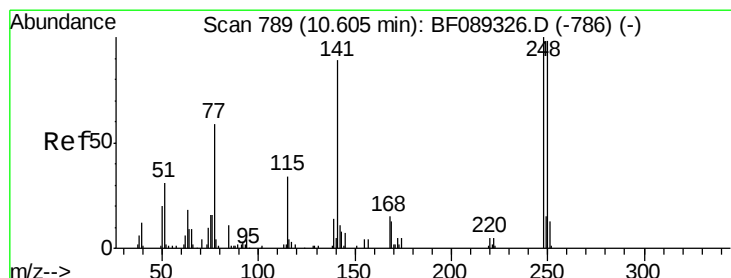
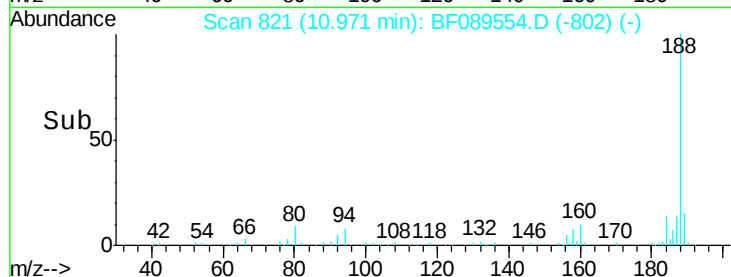
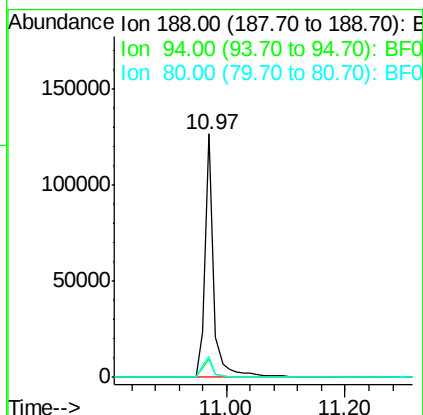
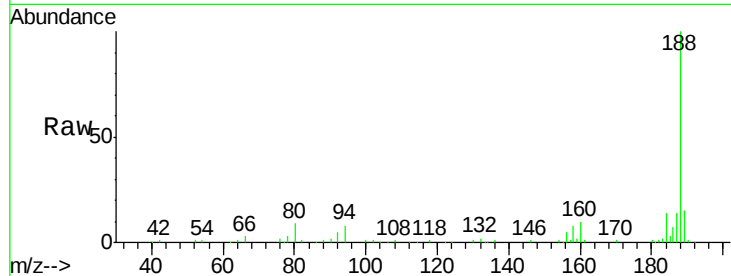




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 10.97 min Scan# 821  
 Delta R.T. -0.08 min  
 Lab File: BF089554.D  
 Acq: 2 Aug 2016 18:41

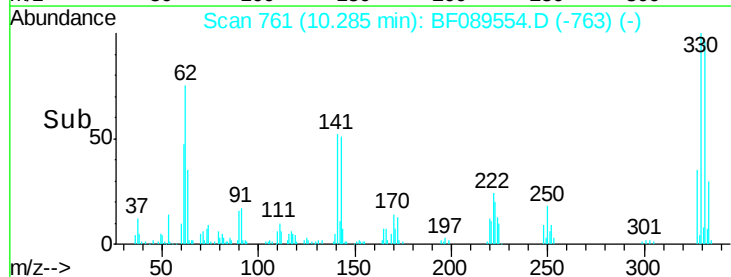
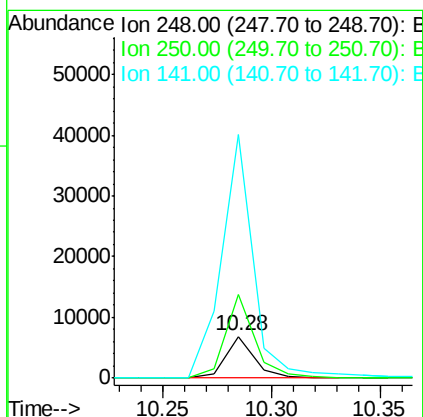
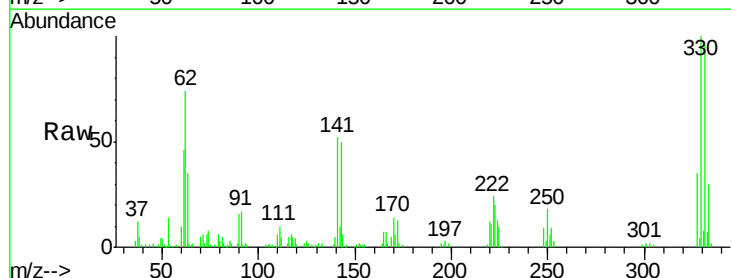
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-54-16.0-17.0

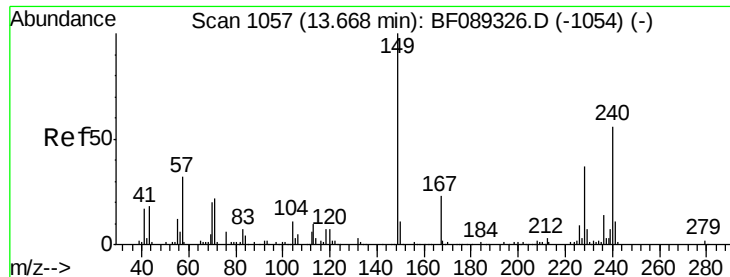
Tgt Ion:188 Resp: 134673  
 Ion Ratio Lower Upper  
 188 100  
 94 7.8 6.5 9.7  
 80 8.8 7.2 10.8



#66  
 4-Bromophenyl-phenylether  
 Concen: 4.90 ng  
 RT: 10.28 min Scan# 761  
 Delta R.T. -0.32 min  
 Lab File: BF089554.D  
 Acq: 2 Aug 2016 18:41

Tgt Ion:248 Resp: 6301  
 Ion Ratio Lower Upper  
 248 100  
 250 203.0 78.2 117.2#  
 141 587.3 62.0 93.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.59 min Scan# 1050

Delta R.T. -0.08 min

Lab File: BF089554.D

Acq: 2 Aug 2016 18:41

Instrument :

BNA\_F

ClientSampleId :

SB-54-16.0-17.0

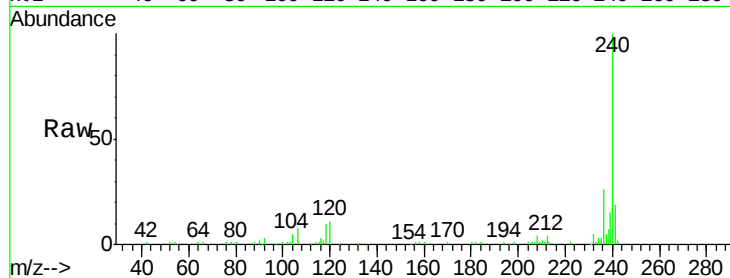
Tgt Ion:240 Resp: 87994

Ion Ratio Lower Upper

240 100

120 10.8 9.1 13.7

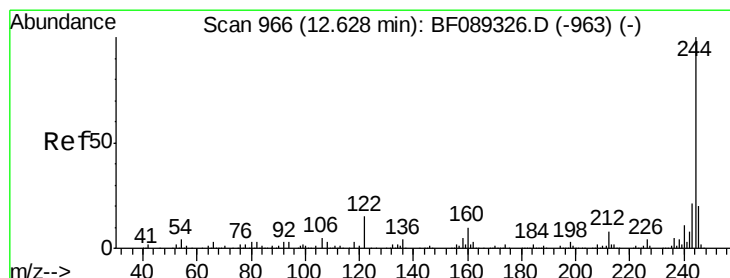
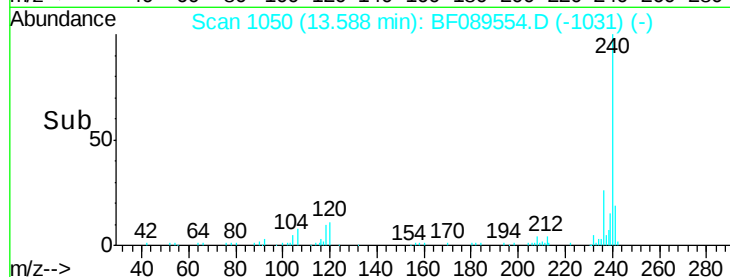
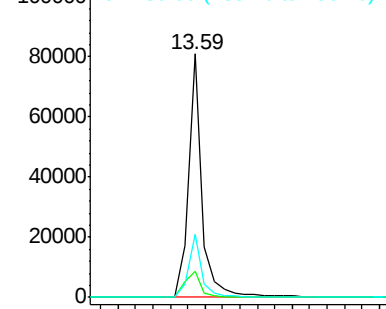
236 25.9 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 93.38 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.08 min

Lab File: BF089554.D

Acq: 2 Aug 2016 18:41

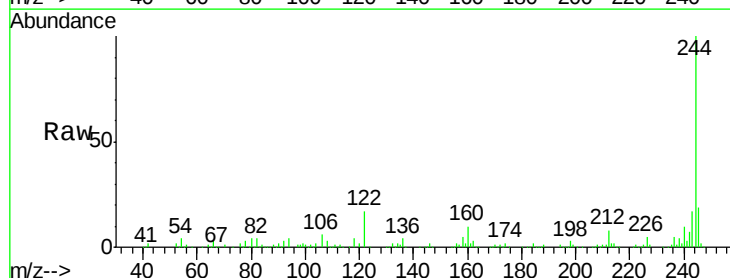
Tgt Ion:244 Resp: 351080

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

122 17.2 11.4 17.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

